## 2005 / 8 /3

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(Koly, 2003)

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**ENVIRNMENT** 

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www.islamonline.org (1)

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33.2	19.8	64	7.2	9.1	20.4	
30.6	16.1	65	5.4	8.1	16.2	
25	11.8	66	6.1	6.8	12	
18.8	8.7	74	7.5	5.4	9.6	

778 528 ) 286 .(1995 -1953

(10) %80 (10) %3 2 . (4)

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(2)
                                                          (11)
                                                                          %12
                                                                     (1)
                                     .1995 /1994
                                                            1953/1952
                       :(1995-1953)
                                                                   :(1)
      1400
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          0
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                                    .1991(12)
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27 .1 42

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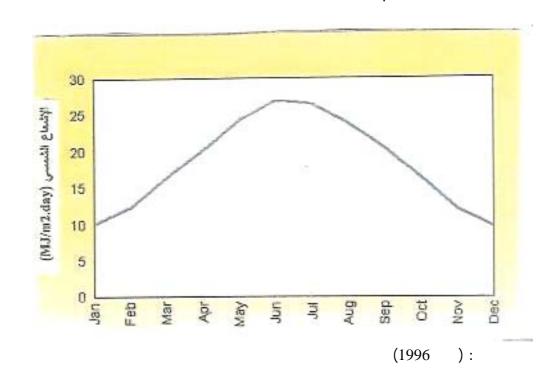
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5 .8 10 .8 .( )

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42 :(2)



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42 :(3)

Jan.

Apr.

Aug.

Aug.

Sep.

Oct.

Nov.

Dec.

(1996 )):

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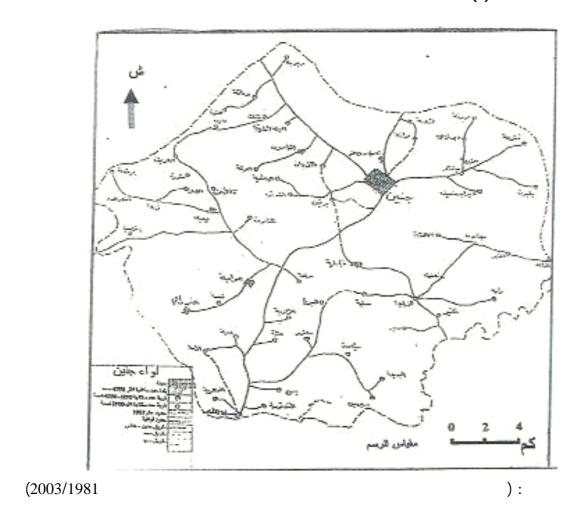
% 62 .2 ) (5) %39 %84 .%63 .7 .( .

. 57000 835 214 .(1984 ) 17 60 %11 184.735 : 1996 . 15 %43.4 . %61.7 (113.992) %6.3 11.620 %4.4 %27.6 8.186 50.937

.(1996

)

(3)



**%81.8 %88** 

(2) .(6.7) (6.5) ( ) ( ) :(2)

%	%	%	
13.4	10.6	7.0	99.0
6.37	35.8	33.2	1.99- 1.00
28.5	30.0	32.6	2.99-2.00
20.6	23.6	27.3	3
2.1	1.7	2.3	

1992 (1994)

1996 3.947 7.88

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/3 250 200 /3 30 20 /3 100

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				% 3 8-	1
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%10 .( )

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(
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224
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123	2221	24810	2245	
175	1470	22311	2047	
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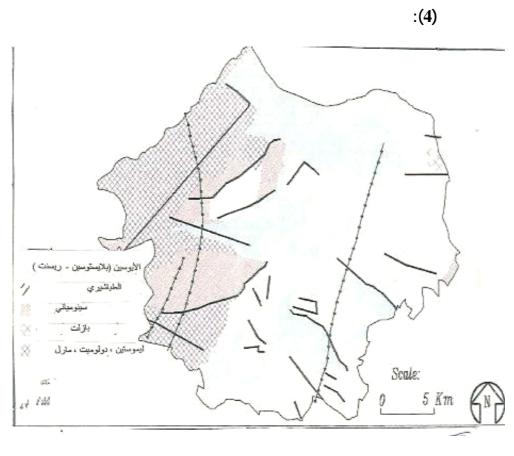
35	32	
28	35	
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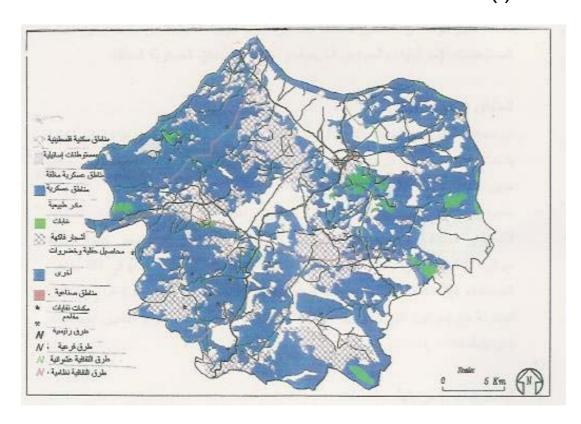
: 2 . 5731.4

(%1.19) 68 :

1995 (3.3 )

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:(4)



(1996 ):

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64

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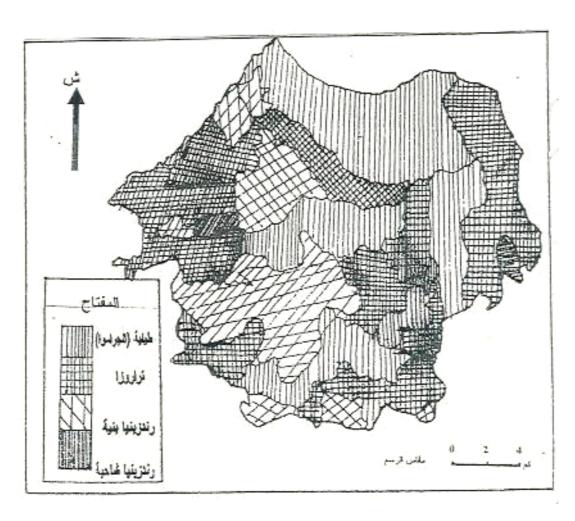
.(4.3

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:(5)

3.82	2.188	
0.24	140	
0.28	160	
0.21	120	
3.94	2260	
1.90	1093	
67.90	38918	
21.70	12435	
100.00	57314	

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(2003/1981 ):

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) .(1998 -1 Terrarossa: %50 ( 286990) (%50-30) (1999 %75 .(1999 ) %58 %69 .(1999 ) (Randzina) -2 ( 113970)

	-			(2)	(0.5)
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<u>s</u>	

عمية الأمطار (ملم)	الخصبائصن العامية	التصنيف الأمريكي	مجموعات التربة (ماريوت)
700-400	المعادة الأصطية الدكونة للتربة هي الدولميت والحجارة الجيرية القاسية. عمق الترية يتسراوح بسين (٥,٠٠٣م) درجة الرطوبة تكون عميقة في أعلى الفلال وسطحية عند المنحدرات الجيئية، التربسة تكون حمراء بنية الذون مئخذة شكل قالبي أو متعدد الزوايا	تر به حدیثهٔ جافهٔ شاهبهٔ تر بهٔ جافهٔ بسوطهٔ	التربة العمراء البنية العمراء الشاهية
700-600 700-300	لها لون أحمر - بني. التربة مفككة. المئمس طيني أو صلصالي. ٣٠٠% منه حجارة، المادة الأصلية المكنة هي الطبائير الناعمة أم المارل تربة حمر أه داكلة وطبيرة. مع انحدار أو مهلان خفيف، التربة الأصلية هي الحجارة أو صخور وحجر المارل والطبائير	تر بهٔ جافهٔ حدیثهٔ تر بهٔ جافهٔ بسیطهٔ	النزية البنية والعمراء الشاهبة
700-600	غنية بالتربة الكلسية والتربة الرمادية - البنية العرينية أو النائجة عن الطمي. المادة الأصلية هي الطباشير وحجر المازل	ترية جالة حديثة ترية جالة بسيطة	الحمراء الشاهية
700-300	المادة الأصلية المكونة تربة الطمي والإرسابات الريحية Aeolian.	نربة جافة منقلبة	الجراءو

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2001/5/26
                   ( ) 30-
  %49
                         % 6.8 - 4.7
                    (
PH
                                       ) %44-31.3
                                          %7.54
         PH
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          (6.5-5.5)
                            .(
        15
                 (1999 )
                          ( / )
                                          (1996)
                                            -1
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72

(3 1.250) %10 .(1995 ).

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58

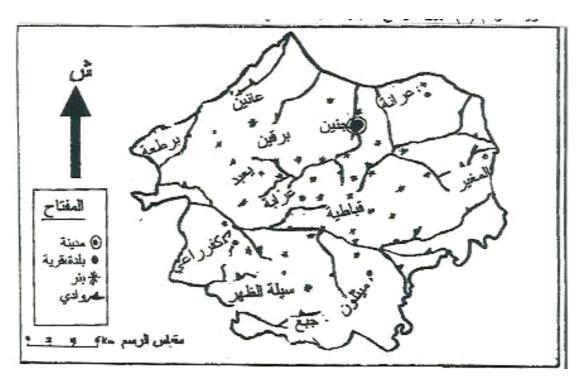
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1996

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2.496	4.156	

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(3	3 )	(3	)	(3	)	( )	(3	/ )		
	11.70		0.2	9.0	)	13100		5.20	180400	1990
	92.42		0.6	74.	7	108700		17.12	311340	2000
	134.07		1.2	101.4	4	158600		31.47	426610	2010
	172.60		1.9	128.	1	208500		42.60	546100	2020

1/c/d 79

213 200 150 2020 2010 2000 .3 687

687 2020 2010 2000 .1/d

.3 614 639

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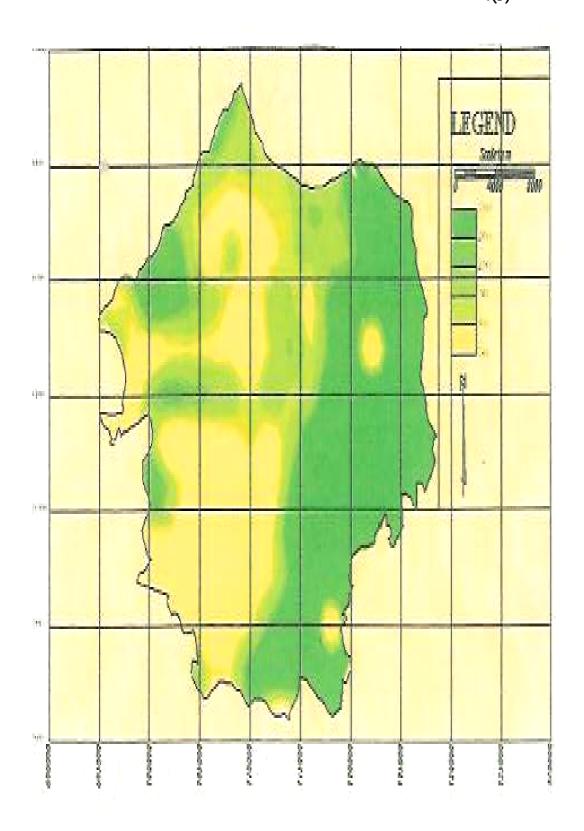
.

374

%36 . 300

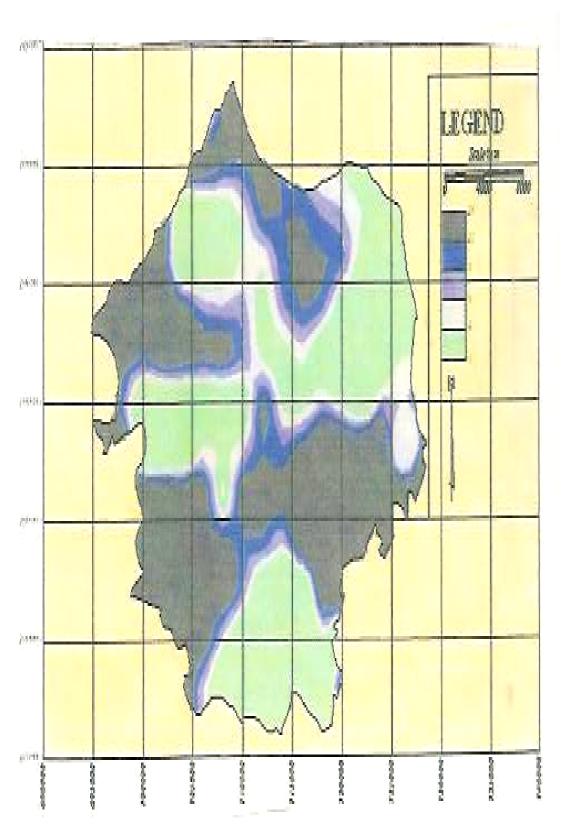
.(1955 )

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1996 :

:(6)



1996 :

(403 ):

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700-600

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130

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%36 %31

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:(9)

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( )			
18.8	169.3	752.2	
83.1	73.7	80.8	
101.9	243.0	833.0	

(1995 )

/ 900

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94/93

(% 54 .6) 51 520 .9 (%16 .3) 6326 .8 (

(%16.9) 911 (%84.9) 5386 .5 (5.5 )

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                                    (ARIJ)
     %13
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25 . Canopy

% 62,7 .3 7,1 94 /93

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Ceratonia siligua , Styrax Calliprios, Querens lentiseus

37 : officialis,

( )

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94 /93

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%18,6 30,4

% 22					1,5
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	74,300		7950		
% 1		% 80	24020		
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1,291,000		1000	1,120		
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%71 %97 .

%1 %3

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- 8 %20.95

%0 .0325 %78.8

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500 0.002

Total Solid Particles
10-0,1

98

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%0.1 99.9

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:(10)

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1/	1/	1/	1/	1/	
700	1.400	1.088	1.100	1.440	7.5
				N	
	1/	1/	1/	1/	1/
	15.3	46	0.2	41.4	182

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26 26582

2160 9 .

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%50 1060 1050

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1996

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 %74 .8
 3 57 .9

 %2 .3
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 % 5 .6
 %14

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:(12)

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108	10	7	4	87	(3)
%100	2 .3	5 .6	3 .3	74 .8	%

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% 0 .7

(1995 ) 3 34

%0 .7

(1995) (No<sub>2</sub>) (s o<sub>2</sub>)

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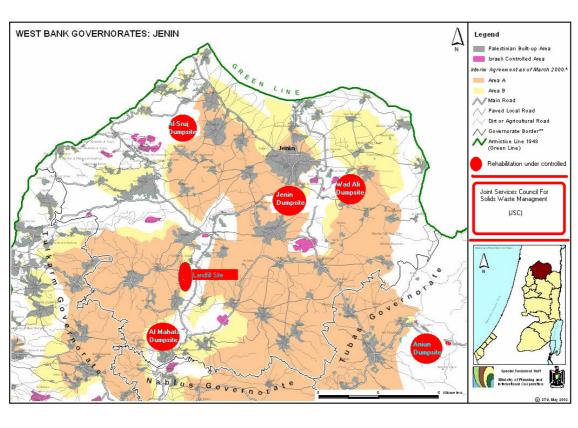
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87	10	13000			4
15	8.4	3939			5
	0.1	3737		( )	
5	8.7	12492		,	6
5	6	6800			7
49	9.2	11544			8
		2.07			
2	2	2687			9
5	4.3	6957			10
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2	2.3	2863		14
3	2.3	3814		15
6	1.4	2332		16
4	1.2	1881		17
2	1	1601		18
3	0.4	650		19
2	0.4	638		20
3	0.4	637		21
	1.5	2513		22
	15	1819	)	23
3	3,1	4390		24
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23 .7	351	25	245	2	25	54	
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2 .9	57	-	7	45	-	5	
100	1480	40	612	204	262	362	
	100	2 .7	41 .4	13 .8	17 .7	24 .5	

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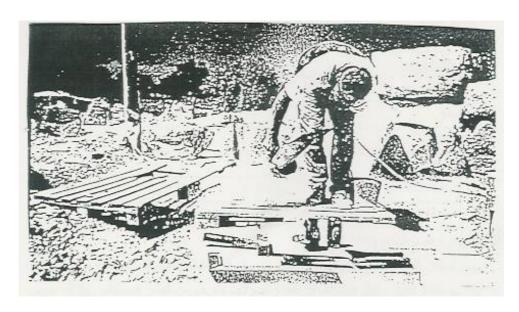
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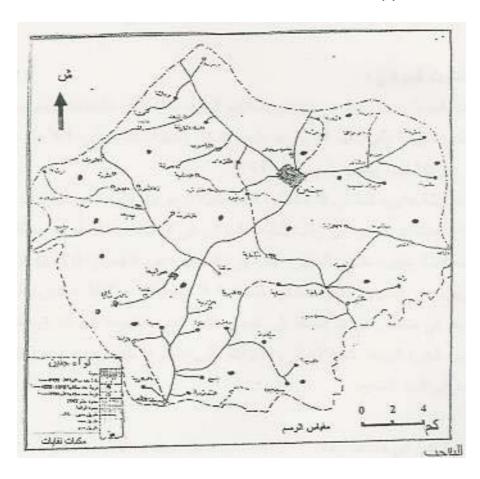
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(SO_2)
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(SO<sub>2</sub>)
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                                                    % 10
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                                       SO_2 + H_2O - - > H_2SO_3
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14.278	1.184	49	1.903	174	72	2.668	8.228	

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Pd	VOC	NOx	Sox	CO			
(u / )	<b>(U)</b>						
0.13 0.15 0.19	3.86 3.86 3.86	1.64 1.87 2.25	1.9 2.22 2.74	45.6 45.6 45.6	1000	<1400 1400- 2000 >2000	1971
0.11 0.13 0.15	3.07 3.07 3.07	1.64 1.87 2.25	1.66 1.92 2.2	33.42 33.42 33.42	1000	<1400 1400- 2000 >2000	-1972 1977
0.09 0.11 0.14	2.84 2.84 2.84	1.50 1.72 2.97	1.39 1.68 2.13	28.44 28.44 28.44	1000	<1400 1400- 2000 >2000	-1978 1980
0.09 0.11 0.14	2.84 2.84 2.84	1.64 1.87 2.25	1.39 1.68 2.13	23.4 23.4 23.4	1000	<1400 1400- 2000 >2000	-1981 1984
0.09 0.11 0.14	2.23 2.23 2.23	1.50 1.78 2.51	1.27 1.62 1.85	15.73 15.73 15.73	1000	<1400 1400- 2000 >2000	-1985 1992

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Total Suspended (TSP) (50)

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(1995)  $co^2$ 

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2100	45		1987	
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700	140		1980	
700	235		1981	
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## الجدول 4.4: نتائج التحاليل الكيميائية والفيزيائية لمياه الأبار الجوفية في محافظة جنين.

Well Name	e Ca	M	gNa	i,K	HGG	)3 CL	NO3	$\mathbf{E}$	Tem	pEG.	ρÏ	SAL	R*Hr* %N
Ghaleb E Ahed	120	51	13	- A	236	- Control (1909)	9.91	L	22.3	125			509.144.6
Abdallah Arsan Jarrar	68	20	54	0.	3281	39.8	1.13	-	21.9	548	6.8	1.5	252.038.1
Taysir Majdi Habash	73	16	36	1	140	46.3	1.65	-	19.7	539	6.9	1.0	248.129.3
Salah Abdel Raheem	31	10	96	l	99	180.	1.21	-	20.6	106	96.7	3.2	118.570.2
Husni Nasser	22	45	12	8 82	363	-	13.22	-	21.0	192	26.5	2.1	737.0 44.1
Abdel Rahman Yasin	120	030	67	5	280	125.4	11.05		19.9	954	7.2	1.4	423.032.4
Moh'd Hamdan & Co	68	22	50	4	289	. 227.	73.92	-	13.1	340	7.3	1.3	260.237.5
Abdel Raheem Irshaid	1		100		150	57.7	0.64		18.5	1140	6.7	2.1	500,337.6
Nader Abu Tabeekh	143	35	90	2	135	181.9	4.23		19.4	1178	6.7	1.7	501.054.0
Fuad Haj Ibraheem	127	31	84	2	66	227.7	6.15		19.6	1039	6.7	1.7	444.6[35.25
Rasheed Hanaysheh	107	38	105	1	135	148.7	3.75		22.1	981	6.7	2.2	423.342.23
Shehadeh Hejazi	1004000	30	56	1	128	73.2	3.60	7	20.0	778	7.0	1.3	375.530.32
Fayez Al Urouq	68	27	47	0.4	111	52.9	4.55		21.2	615	6.9	1.2	280.733.29
Lutfi Massad	101	36	87	1	324	141.1	0.73		21.1	877	6.7	1.9	400.139.11
Said	96	31	67	1	217	66.8	3.13		20.6		6.7		367.134.87

Hanaysheh			1					1		1 3			1	
Nazzal			55		304	32.6	5.93		19.3	745	6.9	1.2	374.3	30.41
Naji Dhib Hanaysheh	138	34	35	2	81	160.9	3.29		21.3	1055	6.6	0.7	484.4	17.70
Moh'd Khalil Hamdan	68	22	50	2	289	-		0.4	13.1	3-40	7.3	1.3	260.3	36.62
Fayez * Adeeb Nazzal	96	27	41	1	302	151.1	2.07		22.2	187	6.8	11.0	350.7	25.45
Abdel Fattah Abu Rubb	185	45	156	12	69	83.8	3.38		20.9	1500	6.7	2.7-	647.0	40.72
Nijmeh Yasin Subuh	185	61	148	10	1242	334.7	12.15		20.6	1553	6.9	12.4	712.6	5 39-11
Fuad Q. Abdel Hadi		45	39	7	235	:91.3	10.25	-	20.2	950	6.9	1.9	9137 (	039.67
Saleem abu Farha	117	51	120	8	246		10.5	\$-	17.7	1013	7.1	2.3	501.0	643.24
Al Haj Yain Subuh		12	96	18	1111	159.0	11.13	31_	211	101-	6.9	3.7	126.	770.75
Hatem Senan	101	14	53	10	299	55.8	1.04	F	19.6	565	6.8	0.8	309.	923.84
Abdel Rahim Herzallah	83	12	33	0.:	1 5212	36.9	11.3	-	19.7	554	7.2	0.9	250.	7126.07
Abdellatif Omeir	54	116	28	13	224	49.1	5 60	L	13.6	403	7.3	0.9	200.	630.69
Munir Hasan Saleh	75	28	64	6	260	101.0	! 09.43	0.	3 13.0	482	7.1	1.6	302.	340.46
Fahmi Nemr Abdallah	67	22	51	6	193	73.3	7.77	0.	212.6	321	7.3	1.4	257.	739.04
Aref Amir Mar'i & ICo	43	16	23	3	183	38.6	4.72	0.	2 13.7	354	7,4	4 0.8	173.	130.59
Mekorot Sanour Well	73	45	38	2	261	752.	43,45	-	22.2	439	6.5	9 0.9	367.	025.32

Ya'bad Municipal Well	102	49	38	3	 549	49.6	11.19	-	22.1	528	6.9	0.8	455.9	21,35
Moh'd Aref Abboushi	135	31	64	3	318	95.8	- 11.68		21.0	999	6.7	1.3	464.6	28.76
Abdel Raheem Jarrar	107	24	59	ı	251 	99.6	10.20		21.7	790	6.9	1.3	365.9	31.41
Abdel Kareem Zeid	70	36	96	37	280	220.6	11.00		21.1	916	7.2	2.3	322.6	55.63
Ahmad F. Khzeimieh	11 11	27	88	2	93	119.2	12.15	L	21.2	938	6.9	1,8	443.2	36.00
Moh'd Nassar Sanouri	89	26	58	5	303	80.1	9.12	0.2	10.6	633	7.2	1.4	329.1	35.39
As'ad Jammal	65	44	11	1 12	342	95.4	4.15	0.3	13.0	414	7.3	2.6	342.5	53.02
Jenin Municipal Well	80	! 32 !	83	5	271	90.9	10.28	0.1	11.6	520	7.1	i 2.0	     	44.00
Nu'man Abdel Hadi	90	42	10	8 21	288	35.6	12.46	0.3	13.0	4-16	7.6	52,4	397.	49.43
Well Name	:ICa	M	gNa	IK	HCC	3 KL	INO3	F	Tem	pIEC	рŀ	ISAF	eiHr*	1%Na
Mekorot Arrabeh Well	!  50	44	17	1 55	206	22.2	3.63	0	15.5	268	7.	1,0.4	305.4	1 417.54 1
Minimum	βl	10	17	10.	3;66	22.2	0.64	0.	1 5.5	268	6.	510.4	118.	5)17.54
Maximum	22	1 61	15	6 8:	1549	752.	4 13.2	210.4	4122.3	192	217.	6 3.8	737	0 70 75
Average	98	31	173	16.	6 228	129.	8 6.67	10	2118.4	1786	17	0 1.7	374	636.96

<sup>&</sup>quot; %Na= Na\*100%/(Ca+Mg)
" Hardness (Hr)=2.5" Ca+4.1"Mg

**An-Najah National University Faculty of Graduate Studies** 

## **Environmental Status of Jenin District**

Prepared by Waleed Sa'eed Hussin Saqer

Supervisor Dr. Ahmad Ra'fat Ghadih

Submitted in Partial Fulfillment of the Requirements for the Degree of Master in Geography, Faculty of Graduate Studies, at An-Najah National University, Nablus, Palestine

## Environmental Status of Jenin District Prepared by Waleed Sa'eed Hussin Saqr Supervisor Dr Ahmad Ra'fat Ghadih

## **Abstract**

Environment is considered one of the important sides in human life, especially in the modern age, man started to have an interest in the environment in which he lives.

The research discussed the environmental status in Jenin District which is considered one of Palestine Districts which is distinguished by its many assembles, this district is also distinguished by being agricultural in the first place. The research discussed the situation in this district from the human, and the natural sides such as location, history, the climate, geology and soil, agricultural situation, waters and their resources, education, transportation, economy and demographic situation.

The research treats the problem of the lack of environmental enlightenment of the inhabitants, and it highlights the importance of environment to human beings, and the manner to maintain and keep it, and it also highlights the most sources of pollution in the district, and the manner to minimize this problem and to enlighten the in habitants of the danger of these pollutants and their effects on human health and environment.

The research aims at studying the environmental situation in the district, and it aims at knowing the sources of pollution and their effects on the district, in addition to showing the degree of pollution in the district,

and studying the inhabitants wrong behavior towards environment and their effect on causing pollution, and enlightening them.

The researcher used the method of the generate theoretical frame through recognizing the history and geography of the district. And the method of getting information related to the study such as statistics, data personal interviews, personate observations, field study, photos and analysis of the existed situation .

The results of the research showed that the economical, social and demographical features have a great effect in increasing the size of pollution.

And that the morphology of Jenin district plays a role in the nature of land use distribution .And the quantity of solid waste increases in the dry season more than the humidity season .

The results also showed that the waste differs from a place to an other according to location. And that the house solid waste occupyes the first place of waste And that the climate circumstances in creasing pollution in winter. And the unsuitability of waste places regarding inhabitant's areas.

And finally the results showed that the district is a victim of pollution in all its kinds.